

08/418,185

04/07/95

EDS

SPO

Free
Services

CUSTOMER REQUEST SUMMARY

Your request was:

☐ **Product Code:**

E081

☐ **Keyword list:**

electronic network network system ports control commands electronic
devices sotrage retrieval control means flow control IED ports

☐ **Text:** *cl 1*

A communications processor apparatus for integrating communication between a plurality of electronic devices having data communication capability, such as protective relays, meters, terminal devices and computers, present at a given location in a power system, such as a substation or connected remotely thereto, the apparatus comprising an electronic network system having a plurality of port positions to which electronic devices may be connected, including at least one port position to which an apparatus for entry of control commands may be connected and at least one port position through which data obtained from said electronic devices may be provided; means for storing and retrieving data obtained from the electronic devices; means for processing the data obtained from the electronic devices; and control means for controlling the flow of data and control commands within the apparatus and between the ports.

E081 SUBJECT SEARCH LIST REPORT - 1994 to PRESENT DATA

Top 3 Classes:

| | |
|-----------------------|--------------|
| Class: <u>395/800</u> | Frequency: 2 |
| Class: <u>395/842</u> | Frequency: 1 |
| Class: <u>359/152</u> | Frequency: 1 |

Top closest patents:

| Ref | Patent Id | Issue/File | Class | Title |
|-----|------------------|--------------------------|----------------|---|
| 1 | <u>5,455,688</u> | Oct 3 1995 Aug 3 1994 | <u>358/442</u> | Communication control device for controlling the flow of |

data between a plurality of
devices

Status: certificate of correction has been issued

| | | | | |
|----|-----------|----------------------------|-------------------|---|
| 2 | 5,489,809 | Feb 6 1996 Jul 7 1993 | <u>307/126</u> | Power control unit for electronic device |
| 3 | 5,319,488 | Jun 7 1994 Mar 17 1992 | <u>359/174</u> | Terminal equipment and optical communication system using the same |
| 4 | 5,369,768 | Nov 29 1994 Nov 18 1991 | <u>395/737</u> | Control device for electronic equipment having operating means and a display device |
| 5 | 5,455,687 | Oct 3 1995 Aug 5 1992 | <u>358/438</u> | Method for transferring data between electronic filing systems using facsimile communications protocol |
| 6 | 5,495,239 | Feb 27 1996 Aug 2 1994 | <u>340/870.02</u> | Method and apparatus for communicating with a plurality of electrical metering devices and a system control center with a mobile node |
| 7 | 5,388,091 | Feb 7 1995 Apr 13 1993 | <u>370/13</u> | Communications system for communications between an electronic control apparatus and a test apparatus |
| 8 | 5,532,682 | Jul 2 1996 Aug 23 1993 | <u>340/825.06</u> | Control data transmission system |
| 9 | 5,288,978 | Feb 22 1994 Oct 2 1991 | <u>235/380</u> | Mutual authentication system and method which checks the authenticity of a device before transmitting authentication data to the device |
| 10 | 5,491,812 | Feb 13 1996 Sep 28 1992 | <u>395/500</u> | System and method for ethernet to SCSI conversion |

| | | | | |
|---|-----------|----------------------------|------------------|--|
| 11 | 5,349,673 | Sep 20 1994 Jul 25 1990 | <u>395/800</u> | Master/slave system and its control program executing method |
| Status: certificate of correction has been issued | | | | |
| 12 | 5,329,431 | Jul 12 1994 Sep 14 1993 | <u>362/85</u> | Computer controlled lighting system with modular control resources |
| Status: certificate of correction has been issued | | | | |
| 13 | 5,343,319 | Aug 30 1994 Jun 14 1993 | <u>359/152</u> | Apparatus for adapting an electrical communications port to an optical communications port |
| 14 | 5,504,669 | Apr 2 1996 Jul 7 1992 | <u>364/131</u> | Information processing device and accessory control device |
| 15 | 5,548,633 | Aug 20 1996 Apr 26 1994 | <u>379/93</u> | Data collection network apparatus and method |
| 16 | 5,504,880 | Apr 2 1996 Apr 3 1990 | <u>395/180</u> | Method and apparatus for monitoring communication between a computer and plural console devices including one main console device and plural sub-consoles |
| 17 | 5,421,018 | May 30 1995 Nov 6 1992 | <u>395/800</u> | Data communication method and apparatus having improved control over a detachable terminal device |
| 18 | 5,428,603 | Jun 27 1995 Sep 15 1993 | <u>370/24</u> | Synchronous time division multiple access interrogate-respond data communication network |
| 19 | 5,416,781 | May 16 1995 Mar 17 1992 | <u>370/110.1</u> | Integrated services digital network based facility management system |
| 20 | 5,519,603 | May 21 1996 | <u>364/133</u> | Intelligent process control |

Jul 12 1994

communication **system** and method
having capability to time align
corresponding data sets

21 5,448,721 Sep 5 1995 371/20.1
 Jan 14 1993

Duplicated communications
processing **system** and
communications **system** including
the duplicated communications
processing **system**

22 5,337,904 Aug 16 1994 211/13
 May 17 1993

Storage and display rack

23 5,293,492 Mar 8 1994 395/842
 Aug 31 1989

Data processing **system** capable
of storing firmware data in
control memories of an input-
output processor with reduced
hardware

24 5,528,589 Jun 18 1996 370/60
 Jun 19 1995

Distributed type packet switching
system and a method of
controlling a flow control
execution

25 5,499,342 Mar 12 1996 395/200.12
 May 1 1992

System for dynamically
switching logical sessions between
terminal device and a processor
which stops its operation to
another working processor under
control of communication
control processor

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